

PROPERTIES	TEST METHOD	UNIT	FB 3003	FB 5026	FE 8000	FD 0270	FD 0274	FD 0374	FD 0474
POLYMER CHARACTERISTICS									
Density @ 23 °C	ASTM D-1505	g / cm ³	0.920	0.920	0.923	0.923	0.923	0.923	0.923
Melt Flow Index	ASTM D-1238	g/10 min.	0.30	0.60	0.80	2.4	2.4	3.5	4.0
Vicat Softening Point	ASTM D-1525	°C	95	93	95	94	94	95	95
Crystalline Melting Point	ASTM E - 794	°C	109	108	112	111	111	112	112
ADDITIVES									
Antioxidant	Internal method	level	-	-	-	-	Present	Present	Present
Slip Agent	Internal method	level	-	Low	-	-	Medium	Medium	Medium
Anti blocking	Internal method	level	-	-	-	-	High	High	High
FILM PROPERTIES									
Recommended thickness		mm	50 - 250	40 - 200	30 - 200	25 - 100	25 - 100	20 - 100	20 - 150
OPTICAL PROPERTIES									
Haze	ASTM D-1003	%	13	11	8.5	6.5	6.5	6.5	6
Gloss (@ 45°)	ASTM D-2457	gu	40	45	60	75	75	75	80
Clarity	ASTM D-1745	%	25	45	45	85	85	86	90
MECHANICAL PROPERTIES									
Tensile strength @ yield	ASTM D-882	MPa	MD/TD: 16/11	MD/TD: 14/11	MD/TD: 16/12	MD/TD : 12/11	MD/TD: 14/11	MD/TD: 12/10	MD/TD: 15/11
Tensile strength @ break	ASTM D-882	MPa	MD/TD: 25/25	MD/TD: 24/24	MD/TD: 24/22	MD/TD : 22/20	MD/TD : 22/21	MD/TD: 19/21	MD/TD: 18/15
Elongation @ break	ASTM D-882	%	MD/TD: 550/600	MD/TD: 550/600	MD/TD: 500/600	MD/TD : 550/600	MD/TD: 470/570	MD/TD: 450/550	MD/TD: 400/550
Impact strength	ASTM D-1709	g	220	200	150	110	110	100	100
Coefficient of friction	ASTM D-1894		0.50	0.20	0.45	0.45	0.1	0.09	0.12
PROPERTIES			Excellent mechanical properties, Outstanding shrink properties	Very good mechanical and shrink properties, Good optical properties	Good combination of high mechanical -Optical properties Good shrink High draw down	Good balance transparency and strength, Good shrink properties	High strength and clarity	Very good Transparency, Very good draw down	Excellent clarity, Excellent draw down
APPLICATIONS			Agricultural film, Industrial Shrink film, Heavy duty bags, Construction film, Drip irrigation pipe	Milk bags (pouches), medium duties carrier bags, Shrink wrap film, Industrial liners	Shrink wrap film for light and medium duties, Shopping bags, Lamination film	Thin shrink film, Foamed products, Lamination film	Thin transparent film, Foamed products Food packaging bags High clarity bags Lamination film	Bread bags Display film Garment film and Newspaper packaging	High-clarity film for packaging of : Flowers, Clothing, frozen food, Display products, Display film, Laundry film

NOTE : The values given in this sheet are the results of tests carried out in accordance with standard test procedure. They are given as an indication to enable customers to make the best use of our products. But they must be considered as average values provided without any undertaking on our part.

INJECTION MOLDING AND EXTRUSION COATING GRADES

PROPERTIES	TEST METHOD	UNIT	MG 20	MG 70	LA 0710
Density @ 23 °C	ASTM D - 1505	g / cm ³	0.918	0.918	0.918
Melt Flow Index	ASTM D - 1238	g/10 min.	20	70	8.0
Crystalline Melting Point	ASTM E - 794	*C	104	101	107
Vicat Softening Point	ASTM D - 955	*C	86	78	86
Shrinkage	Internal method	%	2	1.5	-
Neck-in*	Internal method	%	-	-	3.0 - 3.5
Minimal Coating Weight	Internal method	g/m ²	-	-	6
PROPERTIES			Very good flow ability Low brittle temperature	Excellent flow ability	Low permeability Very good flow ability Excellent adhesion
APPLICATIONS			Flexible household articles Lids and caps Flower pots Master batch	Flexible household articles Fabric coating (Interlining) Master batch Tin wall mould articles	Coating of : Paper Paper board Aluminum foil Polymer films Cellophane film Photographic paper Lamination of: Paper/ Aluminum PE film/ Aluminum

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* Coating condition: Extruder diameter : 90 mm, Air gap : 130 mm, Melt temperature : 305^o C, Screw speed : 85 rpm.